

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA 9 8 0 7 3 8 5 4 6 9 2 0 0 2		Manifest Document No. 6 9 2 0 0 2		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.									
3. Generator's Name and Mailing Address ALASKAN COPPER AND BRASS COMPANY 628 South Hanford Street Seattle WA 98134						A. State Manifest Document Number											
4. Generator's Phone (206) 623-5801						B. State Generator's ID											
5. Transporter 1 Company Name CKC inc						C. State Transporter's ID											
6. US EPA ID Number CA 9 8 0 5 8 4 5 1 0						D. Transporter's Phone (602) 2545											
7. Transporter 2 Company Name						E. State Transporter's ID											
8. US EPA ID Number						F. Transporter's Phone											
9. Designated Facility Name and Site Address World Resources Company 8113 West Sherman Street Phoenix, Arizona 85043						G. State Facility's ID											
10. US EPA ID Number AZ 9 8 0 7 3 5 5 0 0						H. Facility's Phone (602) 233-9166											
11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.					
a. RQ. HAZARDOUS WASTE SOLID, N.O.S. ORM-E, NA9189 (F006)						0 0 4 B X		0 5 2 5 4		T		F006					
b.																	
c.																	
d.																	
J. Additional Descriptions for Materials Listed Above						K. Handling Codes for Wastes Listed Above 01											
15. Special Handling Instructions and Additional Information *** 24 HOUR EMERGENCY RESPONSE: 1-(800) 424-9300 CHEMTREC *** WEAR GOGGLES AND GLOVES																	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.																	
Printed/Typed Name GERALD A. THOMPSON						Signature <i>Gerald A. Thompson</i>				Month Day Year 10/6/92							
17. Transporter 1 Acknowledgement of Receipt of Materials						Printed/Typed Name Dennis Portney				Signature <i>Dennis Portney</i>				Month Day Year 10/6/92			
18. Transporter 2 Acknowledgement of Receipt of Materials						Printed/Typed Name				Signature				Month Day Year			
19. Discrepancy Indication Space #12. Container type should be CF or CW.																	
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.																	
Printed/Typed Name Kenneth L. Sharp						Signature <i>Kenneth L. Sharp</i>				Month Day Year 10/6/92							

No. _____		WORLD RESOURCES COMPANY	
From <u>ALASKAN</u>		8113 W. Sherman St. Phoenix, AZ 85043	
To _____		Load of <u>F000</u>	
<u>39020</u>	Gross	Driver { On _____ Off _____	
<u>33740</u>	Tare	Fees _____	Date _____ 19 _____
<u>5280</u>	Net	<u>J.L.</u> Weigher	

ATTENTION !

**DISCREPANCIES, IN BLOCK 19, MUST BE CORRECTED
ON ALL FUTURE MANIFESTS SHIPPED TO
WORLD RESOURCES COMPANY.**

WORLD RESOURCES COMPANY

8113 WEST SHERMAN STREET / PHOENIX, ARIZONA 85043 / (602) 233-9166

JUN 11 1992

Mr. Gerald A. Thompson
Alaskan Copper & Brass
628 South Hanford Street
Seattle, Washington 98134

Dear Gerald:

Enclosed is the appropriate copy of the Uniform Hazardous Waste Manifest and the weigh ticket resulting from the transfer of recyclable materials by your company to World Resources Company (WRC) and the transportation of these recyclable materials to the WRC Recycling Facility in Arizona for the purpose of recovering the metal values therein.

Sincerely,

WORLD RESOURCES COMPANY

Rachael Purgathien

Manifest Coordinator

Enclosures

Recycled Paper

AKC-0018417

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. WA D 9 8 0 7 3 8 5 4 6		Manifest Document No. 9 2 0 0 2		2. Page 1 of 1		Information in the shaded areas is not required by Federal law.						
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						B. State Generator's ID								
4. Generator's Phone (206) 623-5601						C. State Transporter's ID								
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11. US DOT Description (Including Proper Shipping Name, Hazard Class and ID Number)						12. Containers		13. Total Quantity		14. Unit Wt/Vol		15. Waste No.		
						No. Type		Quantity		Wt/Vol		Waste No.		
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Printed/Typed Name					Signature					Month Day Year				
19. Discrepancy Indication Space														
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.										Month Day Year				
Printed/Typed Name					Signature					Month Day Year				

MSDS

Material Safety Data Sheet

Recycler's Facility Name and Site Address:

Issued August 7, 1990

For Emergencies Call:

CHEMTREC

Day or Night

800-424-9300

Outside Continental U.S. Call:

202-483-7616 Collect

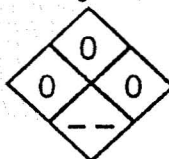
All calls are recorded.

World Resources Company

8113 West Sherman Street

Phoenix, Arizona 85043

Telephone: 602/233-9166

**Section 1****Generic Name:** Electroplating/Metal-Finishing Wastewater Treatment Sludge**Environmental Protection Agency (EPA) Waste Classification:** F006**Chemical Family:** Metallic (Hydroxide) Precipitates**Synonym:** Non-ferrous Metal Hydroxide Filter Cake**MATERIAL IDENTIFICATION****Department of Transportation (DOT) Information:****DOT Shipping Name:** Hazardous Waste Solid, N.O.S.**DOT Hazard Class:** ORM-E**DOT Identification Number:** NA-9189**Section 2****HAZARDOUS INGREDIENTS**

Ingredient:	CAS Number:	Content %:	ACGIH-TLV	Toxicology: (rat, oral)
Copper Hydroxide	7440-50-8	5-30	1.0 mg/m ³ (Dust)	LD-50 1,000 mg/kg
Nickel Hydroxide	7440-02-0	2-15	1.0 mg/m ³ (Dust)	LD-50 1,500 mg/kg
Calcium Hydroxide	1305-62-0	0-15	5.0 mg/m ³ (Dust)	LD-50 7,340 mg/kg
Diatomaceous Earth	68855-54-9	0-10	6.0 mg/m ³ (Dust)	LD-50 3,160 mg/kg

Section 3**PHYSICAL AND REACTIVITY DATA****Description:** Solid, Clay-like Clumps,
Gray/Green to Brown,
Water Content 50-80%**Specific Gravity:** 1 to 1.4**Solubility:** Insoluble in water**Density:** 64 to 90 lbs/cu/ft**Incompatible Reactivity:** None Known**Vapor Pressure:** Insignificant**Stability:** Avoid contact with acids**Polymerization:** Will not occur**Boiling Point:** Above 2600°C**Melting Point:** Above 1800°C**pH:** 7.0 to 10.0**Odor:** Nil**Section 4****FIRE AND EXPLOSION DATA****Flashpoint:** Nonflammable**Special Firefighting Procedures:** None**Oxidation:** Non-oxidizing**Explosive:** Non-explosive**Product Decomposition Due
to Fire or Explosion:** None**Section 5****TOXICITY****Listed Carcinogen component:** Nickel**Toxicology:** See Sec. 2 (Nickel Hydroxide)**Route of Entry:** Inhalation and Ingestion**Section 6****HEALTH EFFECTS AND FIRST AID****Inhalation:** Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.**Ingestion:** Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.**Eyes:** Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, if effects persist, call a physician.**Skin:** Dust may irritate skin, causing forms of eczema. Wash with soap and water.**Long-Term Effects:** Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.**Comments:** Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.**Section 7****PRECAUTIONS FOR SAFE HANDLING****Handling:** Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and gloves.**Storage:** Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.**Spills:** Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.**Section 8****CONTROL MEASURES****Respiratory Protection:** NIOSH-MSHA approved respirators as required.
Other Protective Equipment: Coveralls are recommended, but not required.**Eye Protection:** Safety Glasses recommended.**Hand Protection:** Gloves recommended.**Section 9****GENERATORS VERIFICATION**

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: 92002 Telephone: (206) 623-5800 Date: 6-1-92

Company Name and Address: ALASKAN COPPER PROCESS Co.
608 HASTON ST. SEATTLE WA 98174Signature: [Signature]

AZF-WRC 7/90

NOTICE

TO: World Resources Company
8113 West Sherman Street
Phoenix, Arizona 85043

FROM:

Alaskan Copper & Brass Co.
(Company Name)

628 Howard St Seattle WA 98134
(Address)

SUBJECT: Land Disposal Restriction Notice

Manifest Number: 92002

Date of Shipment: June 1, 1992

This shipment of material, which is being provided for recycling, is subject to the land disposal restrictions of 40 CFR, Part 268, Subpart D or the prohibitions specified in §268.32 or RCRA §3004(d). The applicable Land Disposal Restriction Information is provided in accordance with 40 CFR §268.7 and is shown below:

EPA Material Number	Regulated Constituent	Subcategory	Treatability Group	Treatment Standards	
				CFR Reference	Prohibition Level
F006	N/A	N/A	Nonwastewater	40 CFR §268.41 40 CFR §268.43	---

NOTE: See attached sheet for instructions.

By: [Signature]
Title: Enviro. Asst.

MATERIAL IDENTIFICATION

DOT SHIPPING NAME: Hazardous Waste Solid N.O.S.
DOT HAZARD CLASS: ORM-E
UN OR NA NUMBER: NA 9189



DOT EMERGENCY RESPONSE GUIDE 31

POTENTIAL HAZARDS

FIRE OR EXPLOSION

Some of these materials may burn, but none of them ignites readily.

HEALTH HAZARDS

Contact may cause burns to skin and eyes.

Fire may produce irritating or poisonous gases.

Runoff from fire control or dilution water may cause pollution.

EMERGENCY ACTION

Keep unnecessary people away.

Isolate hazard area and deny entry.

Self-contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection.

CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE. If water pollution occurs, notify the appropriate authorities.

FIRE

Small Fires: Dry chemical, CO₂, Halon, water spray or standard foam.

Large Fires: Water spray, fog or standard foam is recommended.

Move container from fire area if you can do it without risk.

Do not scatter spilled material with high-pressure water streams.

Dike fire control water for later disposal.

SPILL OR LEAK

Stop leak if you can do it without risk.

Small Dry Spills: With clean shovel place material into clean, dry container and cover, move containers from spill area.

Small Spills: Take up with sand or other noncombustible absorbent material and place into containers for later disposal.

Large Spills: Dike far ahead of liquid spill for later disposal.

Cover powder spill with plastic sheet or tarp to minimizing spreading.

FIRST AID

In case of contact with material, immediately flush eyes with running water for at least 15 minutes.

Wash skin with soap and water.

Remove and isolate contaminated clothing and shoes at the site.

NOTE: If this response guide is used as an attachment for shipping documents, enter shipping manifest number in block below.

92002

(shipping manifest number)

To: World Resources Company Customers
From: Rachael Piergallini
Subject: Updated Forms

Enclosed please find the most recent Land Disposal Restriction Notice (LDRN) and/or Material Safety Data Sheet-1 (MSDS-1) form(s). Although the form(s) you are currently using are not incorrect, we would like you to begin using the most current form(s).

If you have any questions, please feel free to give me a call at (602) 233-9166. Thank you for your cooperation in this matter.

MSDS-1

Material Safety Data Sheet

Recycler's Facility Name and Site Address:

World Resources Company

8113 West Sherman Street

Phoenix, Arizona 85043

Telephone Number: 1-602-233-9166

Issued: 8/7/90

Revised: 2/6/91

Call CHEMTREC only in the event of emergencies during shipping that involve a spill, leak, fire, or accident

For Emergencies During

Shipping Call:

CHEMTREC

Day or Night

800-424-9300

Outside Continental U.S. Call:

202-483-7616 Collect

All calls are recorded.

Section 1

PRODUCT - MATERIAL IDENTIFICATION

Generic Name: Electroplating/Metal-Finishing Wastewater Treatment Sludge

Environmental Protection Agency (EPA) Waste Classification: F006

Chemical Family: Metallic (Hydroxide) Precipitates

Synonym: Non-ferrous Metal Hydroxide Filter Cake

DOT Shipping Name: Hazardous Waste Solid, N.O.S.

DOT Hazard Class: ORM-E

DOT Identification Number: NA-9189

DOT Emergency Response Guide 31 Applies

Section 2

HAZARDOUS INGREDIENTS

Ingredient:	CAS Number:	Content %:	ACGIH-TLV	Toxicology: (rat, oral)
Copper Hydroxide	7440-50-8	0-30	1.0 mg/m ³ (Dust)	LD-50 1,000 mg/kg
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Calcium Hydroxide	1305-62-0	0-15	5.0 mg/m ³ (Dust)	LD-50 7,340 mg/kg
Diatomaceous Earth	68855-54-9	0-10	6.0 mg/m ³ (Dust)	LD-50 3,160 mg/kg

Section 3

PHYSICAL AND REACTIVITY DATA

Description: Solid, Clay-like Clumps, Gray/Green to Brown, Water Content 30-80%

Specific Gravity: 1 to 1.4

Solubility: Insoluble in water

Density: 64 to 90 lbs/cu/ft

Incompatible Reactivity: None Known

Vapor Pressure: Insignificant

Stability: Avoid contact with acids

Polymerization: Will not occur

Boiling Point: Above 2600°C

Melting Point: Above 1800°C

pH: 7.0 to 10.0

Odor: Nil

Section 4

FIRE AND EXPLOSION DATA

Flashpoint: Nonflammable

Special Firefighting Procedures: None

Product Decomposition: (Due to Fire or Explosion): None

Oxidation: Non-oxidizing

Explosive: Non-explosive

NFPA

Fire Diamond



Section 5

TOXICITY

Listed Carcinogen component: Nickel

Toxicology: See Sec. 2 (Nickel Hydroxide)

Route of Entry: Inhalation and Ingestion

Section 6

HEALTH EFFECTS AND FIRST AID

Inhalation: Dust may irritate mucous membranes and upper respiratory tract. Remove to fresh air and treat symptoms.

Ingestion: Rare in industry. Induce vomiting (do not induce vomiting or give a liquid to an unconscious person) and call a physician.

Eyes: Dust may irritate eyes. Wash with copious amounts of water for 15 minutes, If effects persist, call a physician.

Skin: Dust may irritate skin, causing forms of eczema. Wash with soap and water.

Long-Term Effects: Chronic overexposure may affect the following target organs or body systems—blood, digestive, respiratory, lungs, liver, kidneys and skin.

Comments: Special attention should be given to employees with anemia, restricted respiratory abilities, lung cancer, permanent kidney damage and metal-sensitive skin or skin lesions.

Section 7

PRECAUTIONS FOR SAFE HANDLING

Handling: Good personal and industrial hygiene should always be practiced. It is recommended that personal protective equipment be used by personnel who will come in contact with the material. The equipment should include eye protection, respirator and gloves.

Storage: Keep covered and avoid conditions where wind could cause dispersal. Do not eat, drink or smoke where material is handled to avoid inhalation or ingestion. Store in a dry area under cover from rain.

Spills: Cleaning procedures should not create excessive dust. Vacuum when possible. Package material and send to World Resources Company at above address.

Section 8

CONTROL MEASURES

Respiratory Protection: NIOSH-MSHA approved respirators as required.

Other Protective Equipment: Coveralls are recommended, but not required.

Eye Protection: Safety Glasses recommended.

Hand Protection: Gloves recommended.

Section 9

GENERATORS VERIFICATION

This MSDS is provided solely for informational purposes and no warranty or responsibility is extended even though reasonable precautions have been taken in the preparation of the data contained for this recyclable material. To the best of my knowledge this MSDS describes the recyclable material listed on the attached Manifest Number: _____ Telephone: 206/623-5801 Date: _____

Company Name and Address: Alaskan Copper and Brass

628 South Hanford Street Seattle, WA 98134

Signature: _____

AZF-WRC 2/91

AKC-0018423